

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A magnetic recording medium comprising:
a non-magnetic support and, in order thereon
a radiation-cured layer formed by curing a layer containing a radiation curing compound by exposure to radiation;
~~a middle layer having a non-magnetic powder dispersed in a binder (1), the middle layer being provided as necessary; and~~
at least one magnetic layer having a ferromagnetic powder dispersed in a binder (2);
the radiation curing compound having a hydroxyl group and a radiation curing functional group in the molecule; and
the magnetic layer having on the surface thereof a number of micro projections having a height of 10 to 20 nm measured by atomic force microscopy (AFM) of 5 to 1,000/100 (μm)².
2. (currently amended): The magnetic recording medium according to Claim 1, wherein the medium has at least one middle layer between the radiation-cured layer and the magnetic layer, the middle layer having a non-magnetic powder dispersed in a binder (1).
3. (original): The magnetic recording medium according to Claim 1, wherein the radiation curing compound is a radiation curing compound (1) having 1 to 3 hydroxyl groups and 2 to 5 acryloyl groups or methacryloyl groups in the molecule.

4. (original): The magnetic recording medium according to Claim 3, wherein the radiation curing compound comprises the radiation curing compound (1) and a radiation curing compound (2) having a cyclic structure, an ether group, and two or more radiation curing functional groups in the molecule.

5. (original): The magnetic recording medium according to Claim 4, wherein the radiation curing compound (2) has an acryloyl group as a radiation curing functional group.

6. (original): The magnetic recording medium according to Claim 4, wherein the medium contains 10 wt % to 80 wt % of the radiation curing compound (2) relative to 100 wt % of the radiation curing compound (1).

7. (original): The magnetic recording medium according to Claim 1, wherein the ferromagnetic powder is a ferromagnetic metal powder.

8. (original): The magnetic recording medium according to Claim 1, wherein the ferromagnetic powder is a ferromagnetic hexagonal ferrite powder.

9. (currently amended): The magnetic recording medium according to Claim ~~12~~, wherein the binder (1) and/or the binder (2) comprise a polyurethane resin.

10. (original): The magnetic recording medium according to Claim 1, wherein the radiation curing functional group is an acryloyl group and/or a methacryloyl group.

11. (original): The magnetic recording medium according to Claim 1, wherein the radiation-cured layer and/or the middle layer contain carbon black.

12. (original): The magnetic recording medium according to Claim 1, wherein the radiation-cured layer has a thickness of 0.1 to 1.0 μm .

13. (original): The magnetic recording medium according to Claim 1, wherein the magnetic layer has a thickness of 0.05 to 1.0 μm .

14. (original): The magnetic recording medium according to Claim 1, wherein the middle layer has a thickness of 1.0 to 2.0 μm .

15. (new): The magnetic recording medium according to claim 2, wherein the magnetic layer is a single layer, the thickness thereof being 0.05 to 0.5 μm .

16. (new): The magnetic recording medium according to claim 2, wherein the magnetic layer is a single layer, the thickness thereof being 0.05 to 0.1 μm .

17. (new): The magnetic recording medium according to claim 1, wherein the magnetic layer comprises an antisatic agent such as carbon black.